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Allowed

| Application/Control No. | Applicant(s)/Patent under Reexamination |  |  |  |  |  |  |  |  |
|-------------------------|---|--|--|--|--|--|--|--|--|
| 10/781,031              | RAJSKI ET AL.                           |  |  |  |  |  |  |  |  |
| Examiner                | Art Unit                                |  |  |  |  |  |  |  |  |
| David H. Malzahn        | 2193                                    |  |  |  |  |  |  |  |  |

| - | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |  |  |  |  |
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| Cla  | aim      | Date     |                 |          |          |          | ]        | Claim Date      |   |          |           |          |  |  |                    | ]               | CI       | aim     | Date             |     |                        |          |              |          |          |          |                |          |                 |          |           |
|--|----------|----------|-----------------|----------|----------|----------|----------|-----------------|---|----------|-----------|----------|--|--|--------------------|-----------------|----------|---------|------------------|-----|------------------------|----------|--------------|----------|----------|----------|----------------|----------|-----------------|----------|-----------|
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| Final  | Ē        | 12       |                 |          | İ        |          |          |                 |   |          | Final     | rig      |  |  |                    |                 |          |         |                  | 1   | Final                  | rig      |              |          |          |          |                |          |                 |          |           |
|  | 0        | 4        |                 |          |          |          |          |                 |   |          | -         | 0        |  |  |                    |                 |          | - 1     | -                | 1   | -                      | 0        | 1            |          |          |          |                |          |                 |          |           |
|  | 1        | _        | 1               |          | <b>i</b> | ┢        | H        | H               | $\vdash$  | ┨        | $\vdash$  | 51       |  | +  | +                  | Н               | 一        | +       | +                | 1   | $\vdash$               | 101      | Н            | _        | _        | $\vdash$ |                |          |                 | $\dashv$ | $\dashv$  |
|  | 2        | Н        |                 |          | 一        |          | -        | Н               |   | ╛        | $\vdash$  | 52       | ╌  | $\dashv$   | +                  | H               | $\dashv$ | +       | +                | ┪   | $\vdash$               | 102      | $\vdash$     | -        |          | Н        | $\blacksquare$ | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$  |
|  | 3        |          |                 |          | 一        | _        | -        | Н               | -   | ┪        | $\vdash$  | 53       | 1 -  | +  | +                  | $\vdash$        | $\dashv$ | +       | +                | ┨   | $\vdash$               | 103      | $\vdash$     | -        |          | -        |                |          | $\dashv$        | $\dashv$ | $\dashv$  |
| $\vdash$   | 4        | -        | $\vdash$        |          | $\vdash$ | ┢        | ┝        | Н               | -   | -        |           | 54       | <del>   </del>                                   | +  | +-                 | Н               | $\dashv$ |         | -                | ┨   | $\vdash$               | 104      | Н            | -        |          | Н        | -              | Н        | $\dashv$        | $\dashv$ | $\dashv$  |
|  | 5        | $\vdash$ | $\vdash$        | _        | ⊢        | ┝        | ┝        | Н               | $\dashv$  | ┪        | -         | 55       |  | +  | +                  | -               | -+       | +       | ╫                | ┨   | <u> </u>               | 105      | Н            | $\dashv$ | _        | Н        |                |          | $\dashv$        | ╌┼       | $\dashv$  |
|  | 6        | $\vdash$ | Н               | _        | _        | ⊢        | ⊢        | Н               | $\dashv$  | ┥        | $\vdash$  | 56       | <del>                                     </del> | - -  | ╫                  | Н               | $\dashv$ | -       | +                | 1   |                        | 105      | $\vdash$     | $\vdash$ |          | $\vdash$ | -              | -        | $\dashv$        |          | $\dashv$  |
|  | 7        | -        | Н               | _        | H        | $\vdash$ | ├        | Н               |   | ┨        | -         | 57       | $\vdash$   | +  | +                  | $\vdash$        | $\dashv$ | +       |                  | -   |                        | 107      | Н            | $\vdash$ | _        | Н        | -              | $\vdash$ | $\dashv$        | -        | $\dashv$  |
|  | 8        | ⊢        | $\vdash$        | _        | -        | -        | -        | Н               | $\vdash$  |          | $\vdash$  | 58       | ⊢  | ┿  | ╫                  | Н               | -+       | +       | +                | 1   | <u> </u>               | 107      | Н            |          | -        | Н        | -              |          | $\dashv$        | -        | ᅱ         |
| $\vdash$   | 9        | ⊢        | H               |          | H        | ⊢        | -        | Н               | -   | ۱ ۱      |           | 59       | ⊢⊢   |  | +-                 | ╌┤              | $\dashv$ | +       | +                | ł   | <u> </u>               | 109      | Н            | $\dashv$ |          | Н        | _              | $\vdash$ | -               | ᅪ        |           |
|  | 10       | ⊢        | Н               |          | -        |          | -        | Н               |   |          | -         | 60       | $\vdash$   |  | +                  | $\vdash$        | $\dashv$ | +       |                  | ┨   |                        |          | Н            | -        | _        | Н        | -              | Щ        | -               | -        | {         |
|  | 11       |          | -               | _        | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$        | $\dashv$  | $\dashv$ |           | 61       |  | +  | +                  | Н               | -+       | +       | +-               | 1   | <b>—</b>               | 110      | $\vdash$     | $\vdash$ | $\dashv$ | Н        |                | Н        | $\dashv$        |          | _         |
|  | 12       | $\vdash$ | $\vdash$        |          |          | $\vdash$ | $\vdash$ | $\vdash\vdash$  | +   | $\dashv$ |           | 62       | $\vdash$   | +  | +-                 | Н               | +        | -       | +                | 1   | <u> </u>               | 111      | Н            | $\dashv$ | _        | Н        | _              |          | -               | $\dashv$ | $\dashv$  |
| <u> </u>   | 13       | -        | Н               |          | -        | $\vdash$ | $\vdash$ | $\vdash$        | +   | 4        | $\vdash$  |          | $\vdash$   | +  | +-                 | $\vdash$        | $\dashv$ |         |                  | -   | <u> </u>               | 112      | Н            |          | _        | Ш        | _              | $\vdash$ | $\dashv$        | _        |           |
| -  | 14       | ⊢        | Н               | _        | $\vdash$ | -        | $\vdash$ | $\vdash \vdash$ | +   | 4        | $\vdash$  | 63<br>64 | ┝  | +  | +-                 | $\vdash$        | $\dashv$ |         | +                | 1   | $\vdash$               | 113      | Н            |          | _        | Ш        | $\Box$         | Ш        | $\dashv$        | 4        | 4         |
| <u> </u>   | 15       |          | Н               |          | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash \vdash$ | +   | -        | $\vdash$  |          | $\vdash \vdash$                                  | +  | +                  | $\vdash$        | $\dashv$ | +       |                  | 1   | $\vdash$               | 114      | Н            | _        |          | $\vdash$ | -              | -        | $\dashv$        | -        | _         |
| <u> </u>   | 16       | $\vdash$ | Н               |          | $\vdash$ | <u> </u> | $\vdash$ | $\vdash \vdash$ |   | 4        | $\vdash$  | 65       | $\vdash$   | +  | +                  | $\vdash$        | $\dashv$ | +       | -                | 1   | ⊢—                     | 115      | $\square$    | _        |          | Н        |                | $\Box$   | _               | _        |           |
| <del>                                     </del> |          | $\vdash$ | Н               |          | $\vdash$ | <u> </u> | $\vdash$ | $\vdash \vdash$ | +   | 4        | $\vdash$  | 66       | ₩.   |  | +                  | $\vdash \vdash$ | -+       | - -     |                  | 1   | <u> </u>               | 116      |              |          |          | Щ        | _              |          | _               | 4        | _         |
| $\vdash \vdash$                                  | 17       | <u> </u> | $\vdash \vdash$ | _        | Н        | -        | $\vdash$ | $\vdash \vdash$ |   | 4        | $\vdash$  | 67       | $\vdash \vdash$                                  | +  | +                  |                 | $\dashv$ | 4       |                  | 1   | <u> </u>               | 117      | Ш            |          |          | Щ        | $\Box$         | $\sqcup$ | _               | _        | ᆜ         |
| <u> </u>   | 18       | <u> </u> | Ш               |          | Н        | Щ        | <u> </u> | $\sqcup$        |   | 4        | $\vdash$  | 68       | ⊢-   | _  | $\perp$            | $\sqcup$        | _        | +       | 4                | 1 - | <u> </u>               | 118      |              |          |          | Ш        | $\Box$         |          | ļ               | _        | _         |
| igwdow   | 19       | <u> </u> | Ш               |          | Щ        | Щ        |          | $  \bot  $      | -   | 4        |           | 69       | $\sqcup \bot$                                    | 4-   | 4                  | Ш               | 4        | $\bot$  |                  | 1   |                        | 119      | $oxed{oxed}$ | ļ        |          |          |                |          |                 |          |           |
| <u> </u>   | 20       | =        |                 |          | Щ        | Щ        | Щ        | Ш               |   | վ.       | $\square$ | 70       | $\sqcup$   | 4-   | 4_                 | Ш               | _        | _ _     |                  | 1   |                        | 120      | <u> </u>     | $\Box$   | _        | Ш        |                |          | $\perp$         |          |           |
|  | 21       | =        | Щ               |          | Ш        | Ш        | <u></u>  | Щ               |   | 4        |           | 71       |  | ┸  | $oldsymbol{\perp}$ | Ш               | $\perp$  | $\perp$ |                  | 1   | <u></u>                | 121      |              |          |          |          |                |          |                 | $\prod$  |           |
| Щ.   | 22       | Ξ        |                 |          | Щ        | L.,      |          | 니               | $\bot$  | ┨.       |           | 72       | $\sqcup \bot$                                    | $\perp$  | 1_                 | Ш               | $\perp$  | $\perp$ |                  | 1   | L                      | 122      |              |          |          | لنا      | ]              |          |                 | $\Box$   |           |
|  | 23       | =        |                 |          |          |          |          |                 |   | 4        |           | 73       | Ш.   |  |                    | Ш               | _        |         |                  | ]   |                        | 123      |              |          |          |          | $\Box$         |          | $\perp$         | $\Box$   |           |
|  | 24       | =        | Ш               |          |          |          |          |                 |   | 4        |           | 74       | Ц.   |  | ┸                  |                 | _        |         |                  |     |                        | 124      |              | _        |          |          |                |          | ┙               |          |           |
|  | 25       | =        |                 |          | Ш        |          |          | Ц               |   | 4        |           | 75       | Ш  |  | _                  | Ш               |          |         |                  | 1   |                        | 125      |              |          |          |          |                |          | $\perp$         |          |           |
|  | 26       | =        |                 |          |          |          |          |                 | $\perp$   | _        |           | 76       | Ш  |  |                    |                 | $\perp$  | $\perp$ |                  | ]:  |                        | 126      |              | [        |          |          |                |          |                 |          |           |
|  | 27       | =        |                 |          | Ш        |          |          |                 |   | _        |           | 77       |  | l  |                    |                 |          |         |                  | ]   |                        | 127      |              |          |          |          |                |          | П               | T        | $\neg$    |
|  | 28       | =        |                 |          |          |          |          |                 |   | ╛        |           | 78       |  |  |                    |                 |          |         |                  | ]   |                        | 128      |              |          |          |          |                |          |                 |          | $\Box$    |
|  | 29       | =        |                 | _        |          |          |          |                 |   | ╛.       |           | 79       | Ш  |  |                    | l. I            |          |         |                  | ]   |                        | 129      |              |          |          |          |                |          |                 | П        |           |
|  | 30       | =        |                 |          |          |          |          |                 |   | ╛        |           | 80       |  |  |                    |                 |          |         |                  | ]   |                        | 130      |              |          |          |          |                |          |                 |          | $\neg$    |
|  | 31       | =        |                 |          |          |          |          |                 |   |          |           | 81       |  |  |                    |                 |          |         |                  | } . |                        | 131      |              |          |          |          |                |          |                 | T        | $\neg$    |
|  | 32       | =        |                 |          |          |          |          |                 |   | 1        |           | 82       |  | $oldsymbol{ol}}}}}}}}}}}}}}$ | L                  |                 |          |         |                  | ]   |                        | 132      |              |          |          |          | $\Box$         | コ        |                 |          |           |
|  | 33       | =        |                 |          |          |          |          |                 |   | _        |           | 83       |  | $oldsymbol{ol}}}}}}}}}}}}}}$ |                    |                 |          |         |                  | ]   |                        | 133      |              | $\Box$   |          |          |                |          | $\neg$          |          | $\neg$    |
|  | 34       | п        |                 |          |          |          |          |                 | $\Box$  | ]        |           | 84       |  |  |                    |                 |          |         | $\mathbf{I}^{-}$ |     |                        | 134      |              |          |          |          |                |          |                 |          | $\neg$    |
|  | 35       | =        |                 |          |          |          |          |                 | $\Box \Box$                                       | ].       |           | 85       |  |  |                    |                 |          | T       | $\Box$           | ]   |                        | 135      |              | $\neg$   | ヿ        |          | $\neg$         |          |                 |          | ヿ         |
|  | 36       | =        |                 |          |          |          |          |                 | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | ]        |           | 86       |  | $oxed{\Box}$   |                    |                 | T        | T       |                  |     |                        | 136      |              |          |          |          | $\neg$         |          | $\neg \uparrow$ | $\neg$   | ╗         |
|  | 37       | =        |                 |          |          |          |          |                 |   |          |           | 87       |  | $\prod$  |                    |                 |          | $\top$  |                  | 1   | П                      | 137      |              | $\neg$   | $\neg$   |          | $\neg$         | $\neg$   |                 | T        | ヿ         |
|  | 38       | =        |                 |          |          |          |          |                 |   |          |           | 88       |  | T  |                    | П               | $\dashv$ |         | T                |     | Г                      | 138      |              |          | $\neg$   | $\neg$   | _              | ヿ        | $\neg$          | $\dashv$ | ヿ         |
|  | 39       | =        |                 |          |          |          |          |                 |   | 1        |           | 89       |  |  |                    |                 | $\top$   | $\top$  |                  | 1   |                        | 139      |              | 寸        | 寸        | $\dashv$ | ヿ              | $\neg$   | $\neg$          | 7        | ヿ         |
|  | 40       |          |                 |          |          |          |          |                 |   | ]        |           | 90       |  |  |                    |                 | $\dashv$ | $\top$  |                  | 1   |                        | 140      |              | 寸        | $\dashv$ | $\neg$   | 7              | $\neg$   | $\neg$          | $\neg$   | $\neg$    |
|  | 41       |          |                 |          |          |          |          |                 |   | ]        |           | 91       |  | $\top$   |                    | П               | $\top$   | $\top$  | 1                |     |                        | 141      | T            | $\neg$   | $\dashv$ |          | $\neg$         | $\neg$   | $\neg$          | 寸        | $\dashv$  |
|  | 42       |          |                 | П        |          |          |          |                 |   | 7        |           | 92       |  |  |                    | $\Box$          | $\top$   | $\top$  | $\top$           |     |                        | 142      | 一            | $\neg$   | $\neg$   |          | _              |          | $\dashv$        | 十        | 一         |
|  | 43       |          | $\Box$          |          |          |          |          |                 |   | 7        |           | 93       |  | $\top$   | T                  | Ħ               | $\top$   | $\top$  | $\top$           |     |                        | 143      | $\neg$       | _        | $\neg$   | $\neg$   | 一              | _        | $\dashv$        | $\dashv$ | $\exists$ |
|  | 44       |          | $\exists$       |          |          |          |          |                 |   | 1        | $\Box$    | 94       |  | T  | 1                  | $\Box$          | $\dashv$ | T       | 1                | 1   |                        | 144      | 一            | 1        | T        | $\neg$   | 7              | $\neg$   | $\dashv$        | $\dashv$ | $\dashv$  |
|  | 45       |          |                 |          |          | ヿ        | ヿ        | 7               |   | 1        |           | 95       |  | $\top$   | T                  | $\vdash$        | 十        | $\top$  | $\top$           | 1   |                        | 145      | _            | 寸        |          | ᅥ        | 寸              |          | +               | +        | $\dashv$  |
|  | 46       |          | ┪               |          |          | 寸        | $\neg$   | $\dashv$        | 1   | 1        |           | 96       | $\neg \uparrow$                                  | +  | Ħ                  | $\vdash$        | 十        | +       | $\top$           |     | ├─┤                    | 146      | $\dashv$     | +        | 寸        | -        | _              |          | $\dashv$        | +        | ㅓ         |
|  | 47       | $\neg$   | $\neg$          |          | $\dashv$ | ┪        | $\dashv$ | 寸               | $\top$  | 1        |           | 97       |  | 十  | Н                  | $\dashv$        | $\top$   | +       | +                | 1   | $\vdash \vdash \vdash$ | 147      | _            | 7        | 7        | $\neg$   | $\dashv$       | -        | $\dashv$        | +        | $\dashv$  |
| $\vdash$   | 48       | $\neg$   |                 | 7        | 一        | $\neg$   | ᅥ        | _               | _   | 1        | $\Box$    | 98       | $\dashv$   | +  | $\vdash$           | $\vdash$        | $\dashv$ | +       | +                |     | $\vdash \vdash \vdash$ | 148      | +            | -        | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$        | +        | $\dashv$  |
|  | 49       |          | 寸               | $\dashv$ | $\dashv$ | ᅥ        | $\dashv$ | $\dashv$        | $\dashv$  | 1        | $\vdash$  | 99       | +  | +  | $\vdash$           | $\vdash$        | +        | +       | +                |     | $\vdash \vdash \vdash$ | 149      | $\dashv$     | -+       |          | $\dashv$ | $\dashv$       | ᅱ        | $\dashv$        | +        | $\dashv$  |
|  | 50       |          | $\dashv$        | $\dashv$ | $\dashv$ | ᅥ        |          | $\dashv$        | $\dashv$  | 1        |           | 100      | +  | 十  | $\vdash$           | $\vdash$        | +        | +       | +                |     |                        | 150      | $\dashv$     | -+       | $\dashv$ | -        | -              | ┥        | +               | $\dashv$ | $\dashv$  |
|  |          | 1        |                 |          |          |          |          |                 |   |          | ldot      | 100      |  |  | لسا                | Щ               | L_       | L_      |                  | , 1 | Щ.                     | 130      | 1            |          |          |          |                | _        | L               |          |           |